

ROBOSOFT's Mobile Platform - robulab 80

Indoor Mobile PLATFORM - Payload up to 80Kg - Powered by 2x48VDC motors
Rugged and fast mobile base - Easy Software and Hardware integration (Syndex)

robulab 80
basic indoor
mobile robot

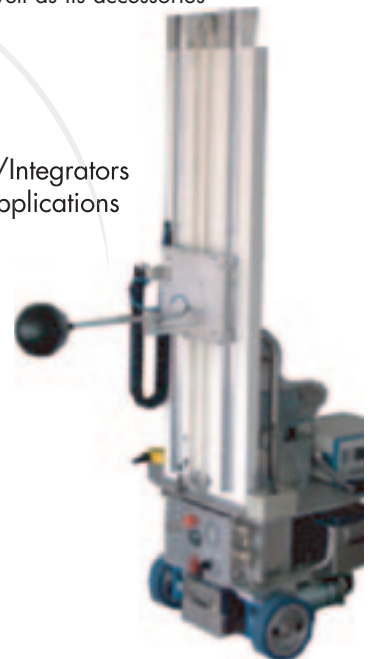


Targeted applications : R&D labs needing
research mobile platform
(developing control algorithms)

ready-to-use intelligent
electric platform,
with remote control from a
host PC. With Syndex under Linux™,
you generate very lite and real-time
specific applications that allow the
researchers to control each part
of the robot as well as its accessories

Other applications : Manufacturers/Integrators
for industrial applications

This reliable mobile
Platform with Syndex
under Linux™ allows
easy integration of a
wide variety of options
and accessories, including mono and stereo vision, laser scanners
wireless communications, ultrasonic or IR sensors, arms and grippers
and much more...



An example of industrial application :
Unmanned Vehicle in charge of X-Ray
analysis.

Technical features

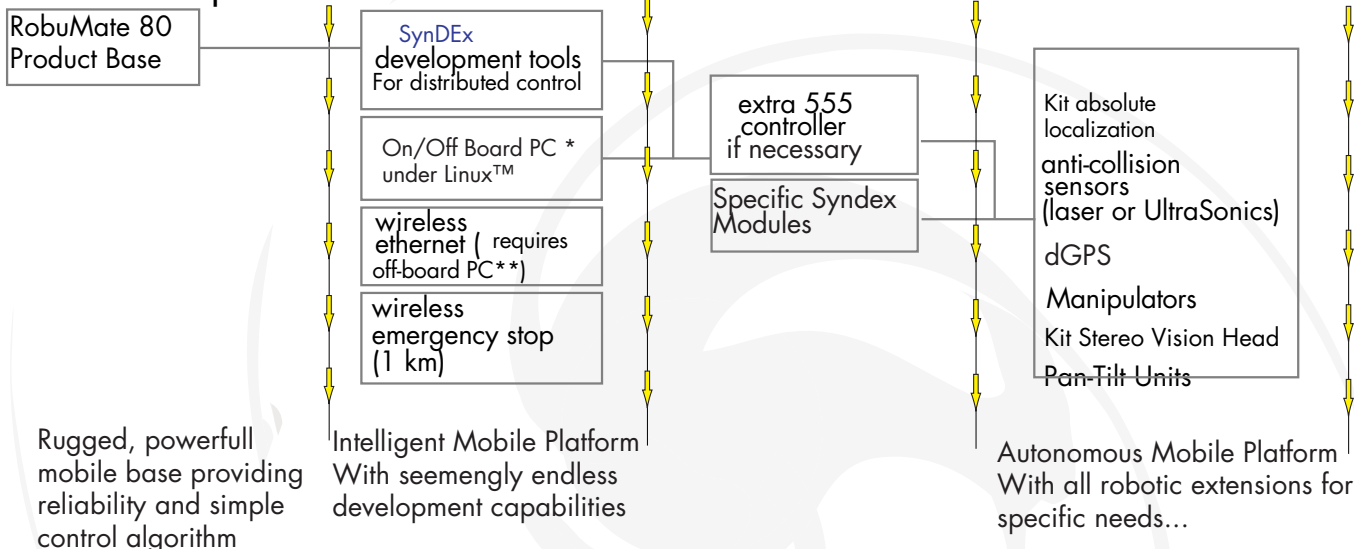
Mechanical

	Speed	Steering and Driving	Dimensions (LxWxH) mm	Approximate Weight (with batteries)	Motors	Load capability
RobuMate 80	1,4 m/s	(2 DW + 1 Castors)	600x480x465	70 kg	2 X 48VDC	80 kg

Control

	Steering and driving Controllers	Interface
All RobuMate 80	MPC555 + API C/C++ (Requires PC connected to MPC555 via CAN bus)	serial line or CAN bus, using basic motion primitives (velocity and steering) through a customized software running in the on-board PC using C++ API

Available options



*on-board PC minimal configuration
Industrial PC with 4 slots available (3 ISA and 1 PCI),
Pentium 1 233Mz, 64 MoRAM, 4 Go disk
Floppy Disk, CD ROM, Ethernet, CAN (Philips SJA1000 chip),
1/4 VGA tactile screen, 48 VDC power supply
Linux and RTAI-Linux

**off-board PC minimal configuration
Desktop PC Pentium 2 or more, 64 MoRAM,
Ethernet, CD ROM, 4 Go disk, 17" screen
Linux and RTAI-Linux

Prices

Ask for an official quotation and quantity discount

	Product base Unit price in € (euros)	on-board PC (plus software development tools)	wireless emergency stop	Breezecom 11Mbts wireless	extra 555 controller	anticollision system Sick LMS200	Kit absolute localization Sick NAV200
RobuMate 80	19,000	3,500	650	2,200 On/off board PC needed	2,500	7,300	13,000

- All our products can be customized on request
- All prices are in Euros and are only indicative
- Prices are ex-factory, and do not include packaging, transport, insurances, VAT ...
- Payment terms :
 - 50% downpayment
 - 50% at shipment

6 DOF Manipulators	PTU	Kit Stereo Vision Head
35,000	4,000	30,000

Delivery time

Our average delivery time is 12 working weeks. A more accurate delay will be given in the quotation.

